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मानक

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IS 6839-2 (1998): Glossary of terms relating to non-powered materials handling equipment, Part 2 Hand trucks and trolleys [MED 7: Material Handling Systems and Equipment]



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“Knowledge is such a treasure which cannot be stolen”

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भारतीय मानक

पावर रहित सामग्री के प्रहस्तन के लिए

पारिभाषिक शब्दावली

भाग 2 हाथ के ठेले और ट्रॉली

(पहला पुनरीक्षण)

Indian Standard

GLOSSARY OF TERMS RELATING TO
NON-POWERED MATERIALS
HANDLING EQUIPMENT

PART 2 HAND TRUCKS AND TROLLEYS

(*First Revision*)

ICS 53.120

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BUREAU OF INDIAN STANDARDS

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FOREWORD

This Indian standard (Part 2) (first revision) was adopted by the Bureau of Indian Standards after the draft finalized by the Non-powered Material Handling Equipment Sectional Committee had been approved by the Heavy Mechanical Engineering Division Council.

This standard has been prepared for guidance of the industrialists to enable them to interpret the common terms used in this field.

This standard (Part 2) was first published in 1974 and has been revised to incorporate the latest technological developments in practice at present in the field of Non-powered material handling equipments.

In preparation of this standard assistance have been derived from BS 3810 (Part 1) : 1964 'Glossary of terms used in material handling, Part 1', issued by the British Standards Institution.

Indian Standard

GLOSSARY OF TERMS RELATING TO NON-POWERED MATERIALS HANDLING EQUIPMENT

PART 2 HANDTRUCKS AND TROLLEYS

(*First Revision*)

1 SCOPE

This standard (Part 2) covers different terms on non-powered trucks, trolleys, wheel barrows and industrial trailers.

2 TERMINOLOGY

2.1 For the purpose of this standard, the following terms shall apply.

2.1.1 *Bogie Truck*

A skeleton platform of low height mounted on two centrally located load carrying wheels and fitted with two swivel castors, one each on either end (see Fig. 1).

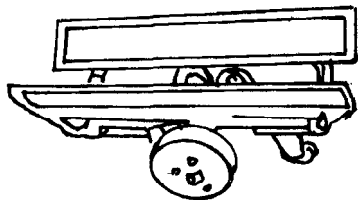


FIG. 1

2.1.2 *Sack Truck*

A frame work consisting of a pair of main side supports and curved cross members suitable to accommodate sacks, and a toe or bracket, normally mounted on two fixed wheels (see Fig. 2).

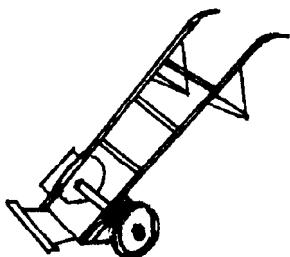


FIG. 2

2.1.3 *Hand Truck*

A frame work consisting of pair of main side supports

and flat cross members suitably connected and toe or bracket normally mounted on two fixed wheels (see Fig. 3).

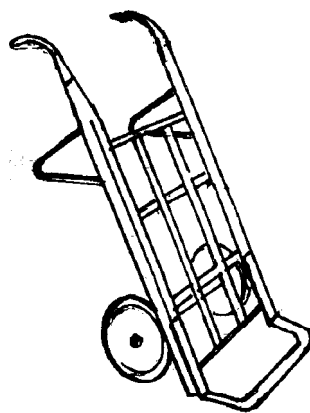


FIG. 3

2.1.4 *Gas Cylinder Trolley*

A frame work consisting of a pair of main side supports, platform to accommodate two gas cylinders and normally mounted on two wheels. (see Fig. 4)

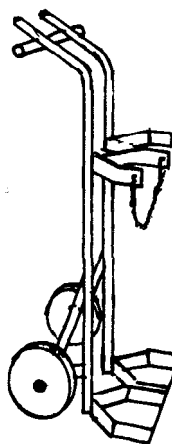


FIG. 4

2.1.5 *Oil Drum Trolley*

A frame work consisting of a single main support at centre provided with drum locking sliding arrangement

on it and toe or bracket, normally mounted on two fixed wheels (see Fig. 5).

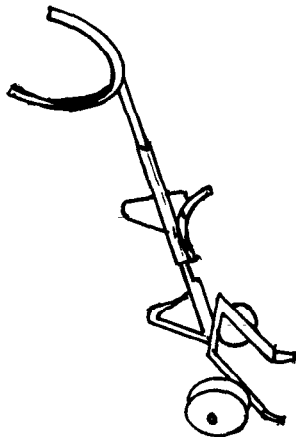


FIG. 5

2.1.6 Wheeled Towing Handle (Skid Jack)

A lever device fitted with two wheels which engages with a mating part on a semi live stillage, forming a steerable truck (see Fig. 6).

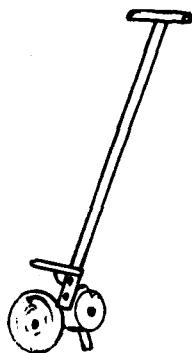


FIG. 6

2.1.7 Wheel Barrow

A box body with shallow sloping front side made out of steel having a single wheel at front or two wheels mounted on axle positioned at centre of the box and two extending handles (see Fig. 7).

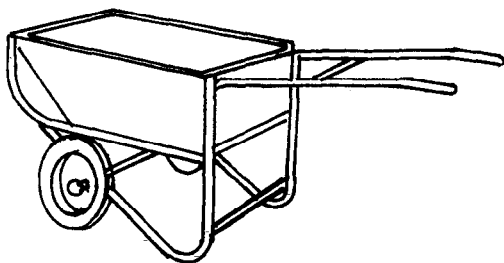


FIG. 7

2.1.8 Dolley

An octagonal frame work mounted on four small wheels or castors upon which a box or a machine may be manoeuvred (see Fig. 8).

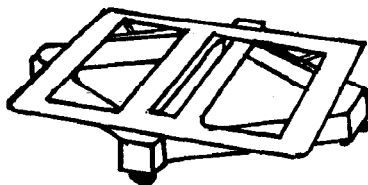


FIG. 8

2.1.9 Platform Truck (Non-Tilt Type)

A load supporting platform made out of steel or wood which may be fitted with superstructure or box mounted on two swivel castors at push handle end or at the end, and two fixed castors with one or two push handles at either ends (see Fig. 9).

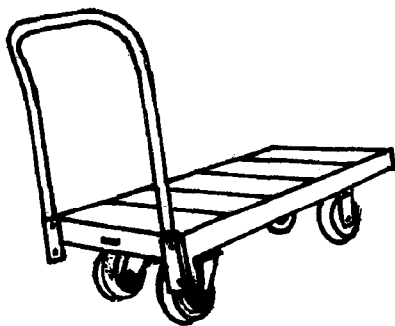


FIG. 9

2.1.10 Platform Truck (Tilt Type)

A load supporting platform made out of steel or wood which may be fitted with superstructure or box mounted on two centrally located load carrying wheels or fixed castors and fitted with two swivel castors, one at each end in such a way that tilting or balancing action takes place on centre wheels. Provided with push handle at both ends (see Fig. 10).

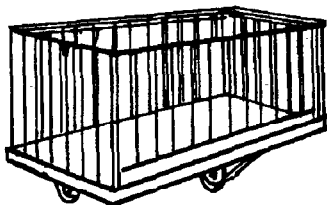


FIG. 10

2.1.11 Platform Truck (Turn Table Steering Type)

A load supporting platform made out of steel mounted on two fixed wheels at one end and supported at the other end by two wheels mounted on a turn table fitted with steering/pulling handle (see Fig. 11).

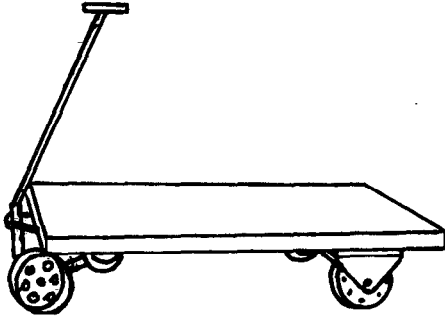


FIG. 11

2.1.12 Platform Truck (Trailer)

A load supporting platform made out of steel which may be towed by tractor designed for internal industrial use but may be equipped with springs, mudguards, brakes, etc, mounted on two or four fixed wheels at rear end and supported by two or four wheels mounted on a turn table, fitted with steering and towing handle (see Fig. 12).

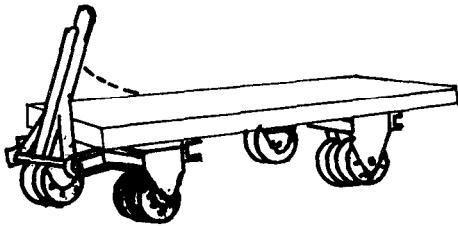


FIG. 12

2.1.13 Pole Trailer

A trailer consisting of a single pole of steel with a carriage at each end. The carriages are fitted with bolsters and the trailer is usually adjustable in length. The trailer is used to transport long loads such as steel bars and timber (see Fig. 13).

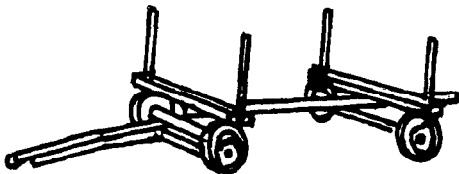


FIG. 13

2.1.14 Stillage Truck (Lifting Hand Elevating Truck)

An elevating type truck for insertion under the deck of stillage, the elevating motion being manually operated by mechanical leverage to enable the stillage to be raised off the ground for horizontal movement (see Fig. 14).

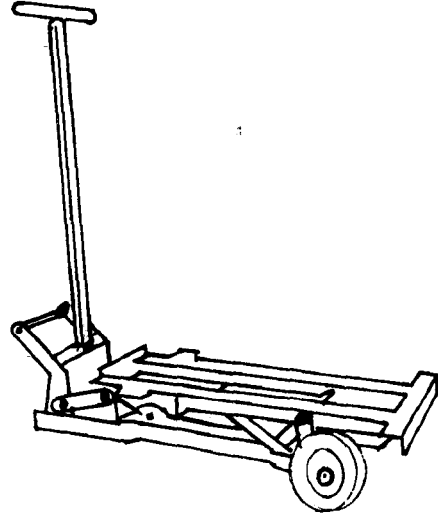


FIG. 14

2.1.15 Hand Pallet Truck

A truck with two elevating type fingers or forks for insertion under the deck of pallet, the elevating motion being manually operated by hydraulic pump, to enable the load/pallet to be raised off the ground for horizontal movement (see Fig. 15).

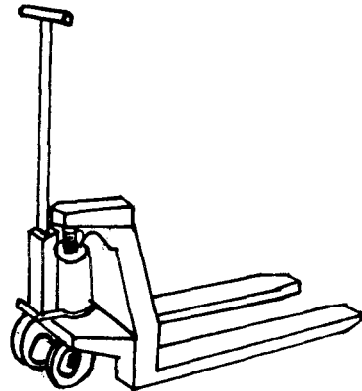


FIG. 15

2.1.16 Hydraulic Lifting Table

A load elevating truck consisting of elevating platform, base frame, scissor type mechanism connected with elevating platform and base frame. The elevating motion is being manually produced with the help of hydraulic hand pump for raising the load to the required height.

fitted with wheels and castors by which the lifting table can be moved manually (*see* Fig. 16).

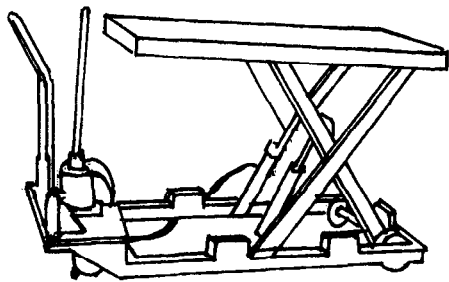


FIG. 16

2.1.17 *Stacking Truck*

A pedestrian controlled truck with extended legs, and forks for insertion under the deck of pallet or stillage. The legs may be under the deck of pallet or stillage or straddle either side of it. The truck is fitted with the

mast, which may be telescopic, and the forks are mounted on carriage, which may be elevated within the limit of mast. The elevating motion of forks may be manual by hydraulic pump or mechanical winch. The forks may be replaced by platform (*see* Fig. 17).

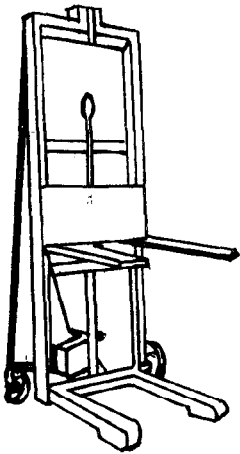


FIG. 17

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Amendments Issued Since Publication

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